

Practice - central tendency

Find the mode, median, mean, lower quartile, upper quartile, and interquartile range for each data set.

1) Games per World Series

4 4 4 4 4 5 5 5
 6 6 6 6 6 6 7 7
 7 7 7 7 7 7 7

2) Shoe Size

5.5 5.5 5.5 5.5 6 6.5 7
 7 7 7 7.5 8 8 8
 8.5 8.5 9 9 9 10 10
 10 11

3) Minutes to Run 5km

21.2 24.5 25.5 26.1 27.1
 27.2 27.6 28.2 30 30
 30.1 30.9 31.6 31.9 32.1
 33 33.6 34.9 35.8 39.8
 44.4

4) Single Family Home Prices

199,300 215,200 216,100 217,600
 221,000 221,200 224,100 226,300
 226,600 227,900 228,900 230,000
 237,300 237,300 238,600 239,400
 239,500 240,500 242,100 243,300
 244,400 244,400 246,700

5) Hours Slept

4.25 5 5.5 5.5 5.75
 6 6 6 6.5 6.5
 6.75 7 7.25 7.25 7.25
 7.25 7.5 7.75 7.75 8
 8.5

6) Test Scores

33 34 39 41 42 43 45
 46 47 47 48 49 50 50
 50 51 52 52 53 53 55
 56

Draw a box-and-whisker plot for each data set.

7) Games per World Series
 4 6 7 6 5 7 4 6
 7 7 4 7 7 7 7 7
 6 6 5 6 7 4 7

8) Goals in a Hockey Game
 5 9 6 11 3 7 5 3
 6 3 10 4 8 3 10 1
 3 2 5 5 3

9) Annual Precipitation (Inches)
 28.2 40.8 61.2 31 25.8
 17 29 6.4 10.2 65
 41.8 66.4 8.6 38.2 17.2
 46.8 56.4 54.8 24.4 66
 27.8 66 59

10) Age at First Job
 12 13 17 15 13 18 15
 16 18 15 13 14 17 16
 18 22 15 21 18 17 11

11) Single Family Home Prices
 494,900 498,300 488,700 512,700
 492,000 508,000 492,400 512,300
 500,800 497,600 514,000 494,300
 504,800 513,900 508,300 526,300
 519,300 509,200 508,100 496,700
 507,400 521,700 525,500